

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/20353

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07D 405/12, 417/12, 417/14, 493/04  
US CL : 548/203, 261; 549/464

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 548/203, 261; 549/464

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
STN CAS ONLINE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,E	MILLER et al. Novel arylsulfonamides possessing sub-picomolar HIV protease activities and potent anti-HIV activity against wild-type and drug-resistant viral strains. <i>Bioorganic &amp; Medicinal Chemistry Letters</i> . 23 February 2004, Vol. 14, No. 4, pages 959-963, especially the top of page 960.	15
X	US 6,319,946 B1 (HALE ET AL.) 20 November 2001 (20/11/01), see entire document, especially the compound at the top of columns 163-164.	16

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

07 December 2004 (07.12.2004)

Date of mailing of the international search report

11 FEB 2005

Name and mailing address of the ISA/US

Mall Stop PCT, Attn: ISA/US  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

Laura L. Stockton, Ph.D.

Telephone No. 703/308-1235